



NVZ Recording System

# Quick Start Guide

Version 9.0

Documentation and Software by **farmdata** Limited

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This booklet is designed to help you get started. It should be used in conjunction with the operating manual.

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## **Related Documents.**

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[nvzdata Manual](#)

[Windows Manual](#)

[Windows Tutorial](#)

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## **The Information Needed Before You Start.**

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The system can be stated with very little detail. It can be as little as Field names or numbers and sizes, the crops and varieties you grow and basic details of the fert and fym's you are going to apply.

What you need

**Business Name.** Address, telephone, farm code can be entered later.

**Metric or Imperial Measurements.** Which are you going to use?

**Harvest Year** What cropping year are you starting to enter data for?

**Crops and Varieties.** What are you growing?

**Holdings.** What are the different holdings within this business?

**Field Names & Areas.** OS numbers, land class, and other detail can be entered later.

**Split Fields & Areas.** Any fields which are being split for the current year.

**Cropping Plan.** What crops are in what fields for the year you are starting with and the previous year.

**Inputs.** The fertiliser and manures to be applied to the crops. Each needs a name, unit of application, pack size, and price. The quantity in stock would also be useful.

## Loading the Disk

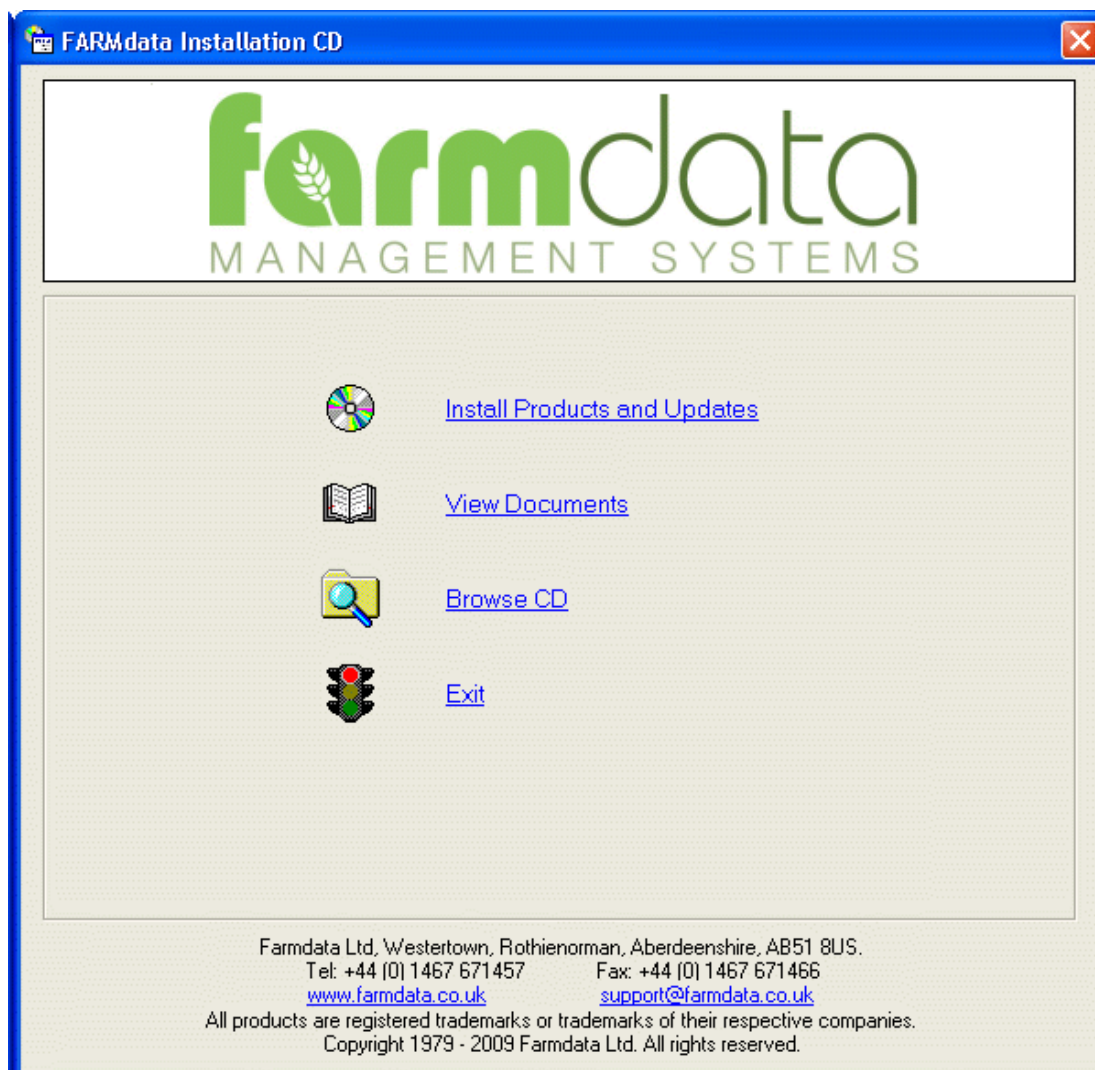
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The system has to be loaded onto a computer running Windows 2000 or above.

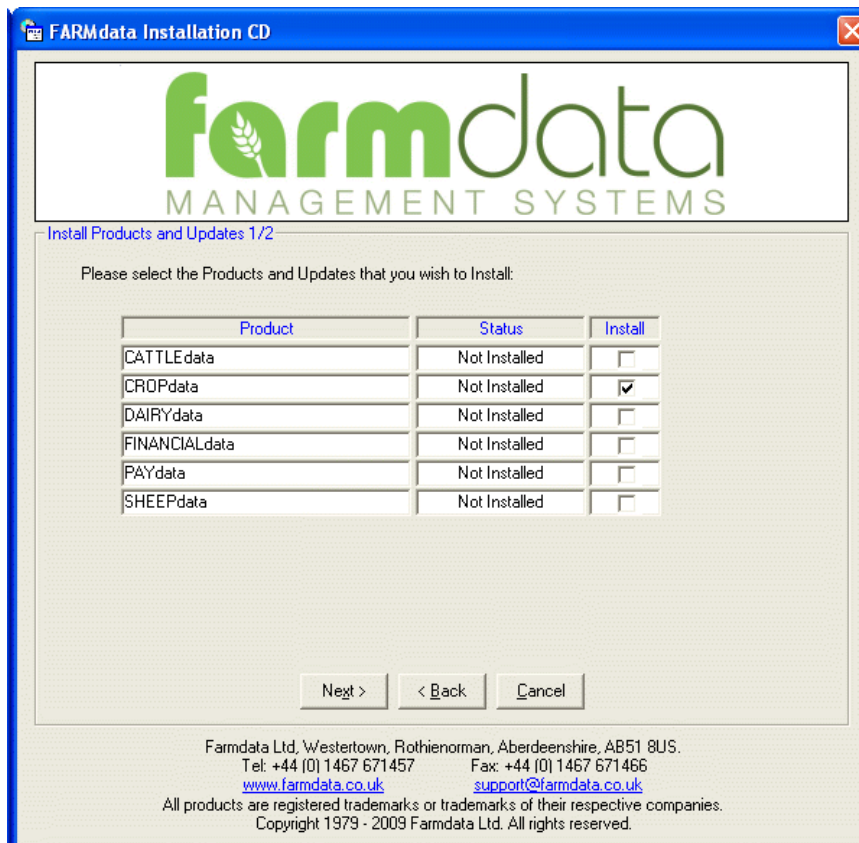
If you receive the program on CD, place the CD in the drive and it should Auto-run.

In the **Command Line** type **D:\Setup** (where D is the letter of the drive with the disk) and click **OK**.

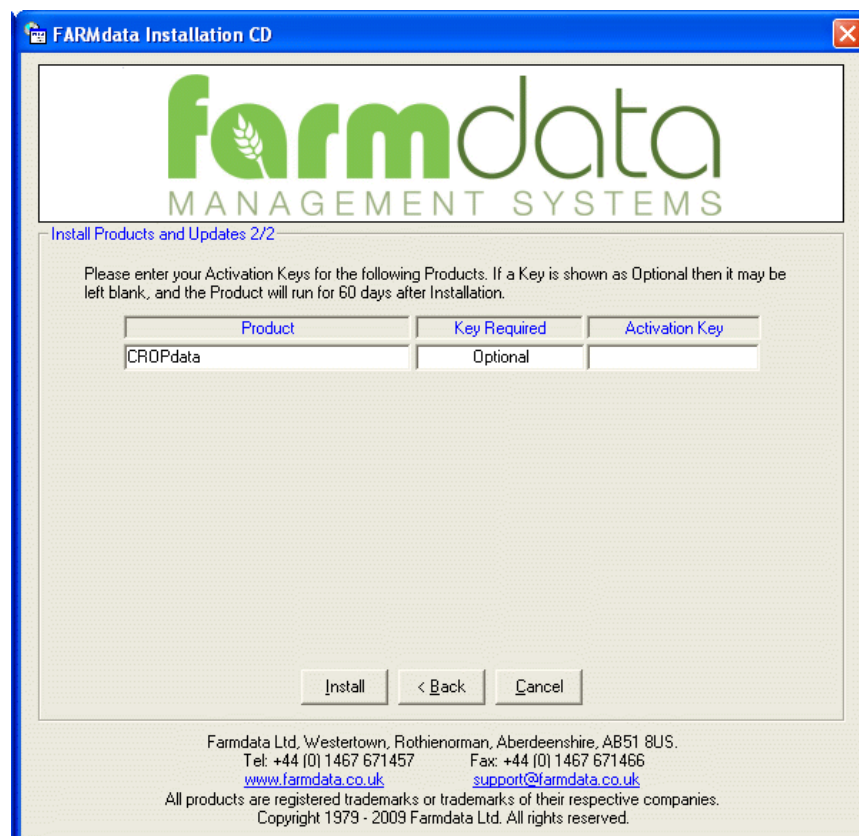
The Setup screen will now appear.



Select **Install Products and Updates**. If you wish to view the manual, you will need to select **View Documents** after.



Select the product to install and click Next.



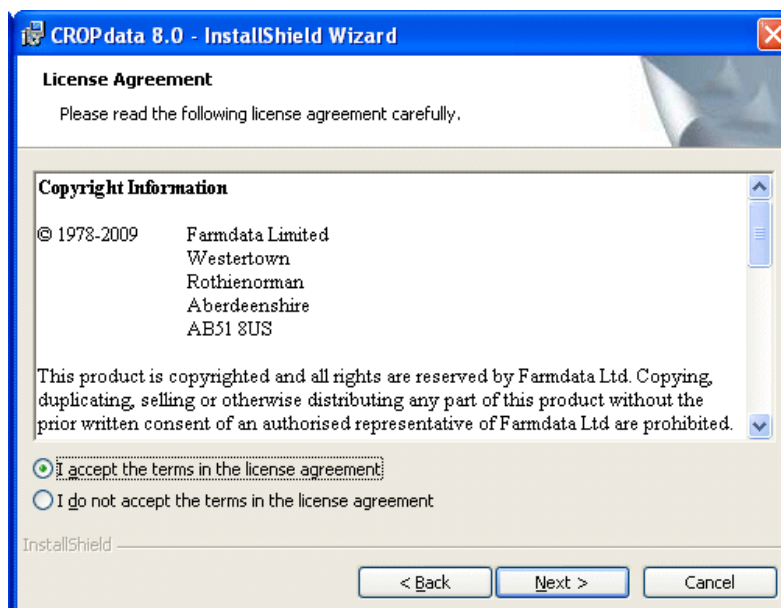
An Activation Key is not required.

If a Key is not entered the program will run as an evaluation copy for 60 days from installation.

If you have purchased the product a key will have been supplied by Farmdata. Enter it at this point. The Key is case sensitive. The install button will only become active if a valid Key is entered or the Key is left blank.

Click Install to continue.

The installation routine will now begin.



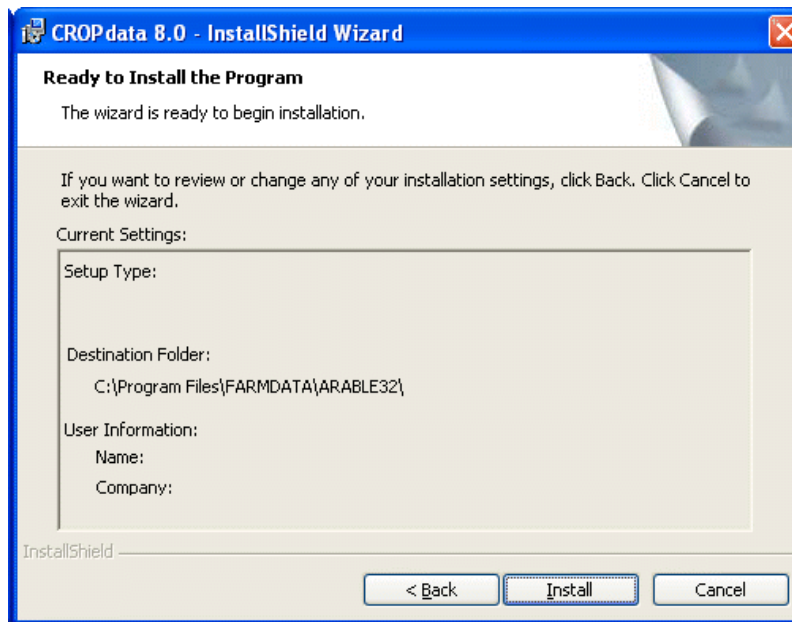
The screenshot shows the 'Customer Information' window of the CROPdata 8.0 - InstallShield Wizard. The window has a blue title bar with the text 'CROPdata 8.0 - InstallShield Wizard' and a close button. Below the title bar, the text 'Customer Information' is displayed, followed by the instruction 'Please enter your information.' There are two text input fields: 'User Name:' and 'Organization:'. Below these fields, there is a section titled 'Install this application for:' with two radio button options: 'Anyone who uses this computer (all users)' (which is selected) and 'Only for me ( )'. At the bottom of the window, there is a progress bar labeled 'InstallShield' and three buttons: '< Back', 'Next >', and 'Cancel'.

Customer information can be set above to complete the licence information.

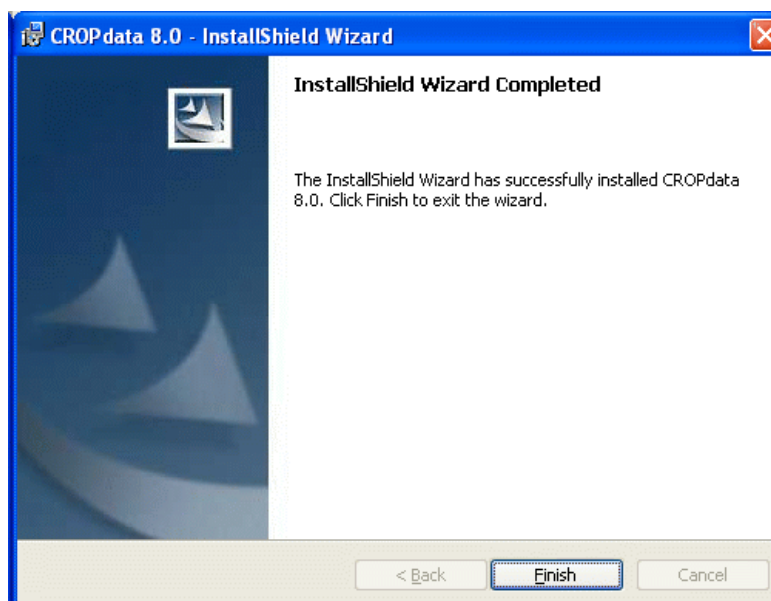
The screenshot shows the 'Destination Folder' window of the CROPdata 8.0 - InstallShield Wizard. The window has a blue title bar with the text 'CROPdata 8.0 - InstallShield Wizard' and a close button. Below the title bar, the text 'Destination Folder' is displayed, followed by the instruction 'Click Next to install to this folder, or click Change to install to a different folder.' There is a folder icon and the text 'Install CROPdata 8.0 to: C:\Program Files\FARMDATA\ARABLE32\'. To the right of this text is a 'Change...' button. At the bottom of the window, there is a progress bar labeled 'InstallShield' and three buttons: '< Back', 'Next >', and 'Cancel'.

The default program location is set as above by default. You may change this if required. Any subsequent program updates will have to be set likewise.





The Cropdata 8.0 settings screen will now appear. Click **Install** to proceed and files will be copied.



Click Finish to complete the installation.

The process may restart in order to install the Auto Update software, this is used to pull update for the program from the web.

You will now have a Cropdata 8.0 Icon on your desktop.

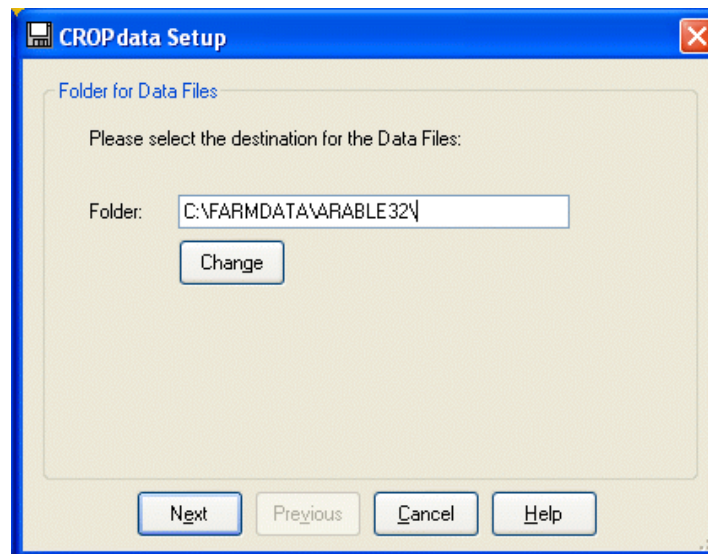
## Starting the System

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Once you have the system loaded onto the computer you can go ahead and start to use it.

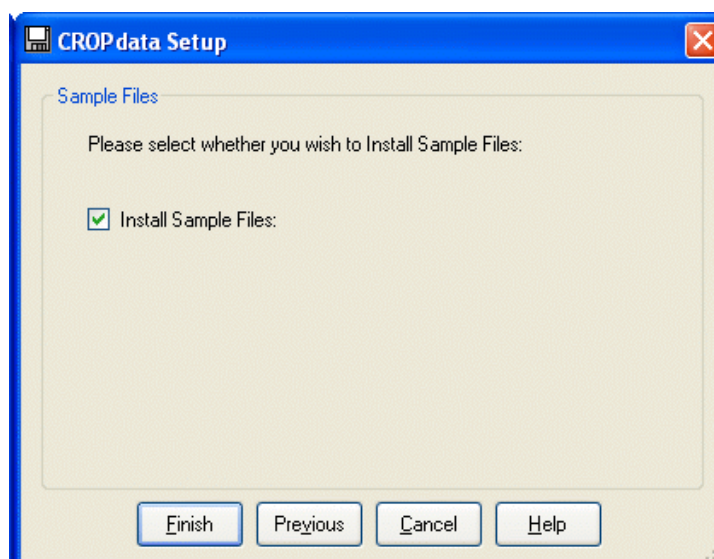
Use the Cropdata Icon on your desktop or go to Start, Programs, Farmdata and Cropdata.

You will then get a screen showing you which directory the data files will be loaded into. C:\FARMDATA\VARABLE32\ is the suggested directory. If this is not acceptable, click **Change** and select your preferred directory.



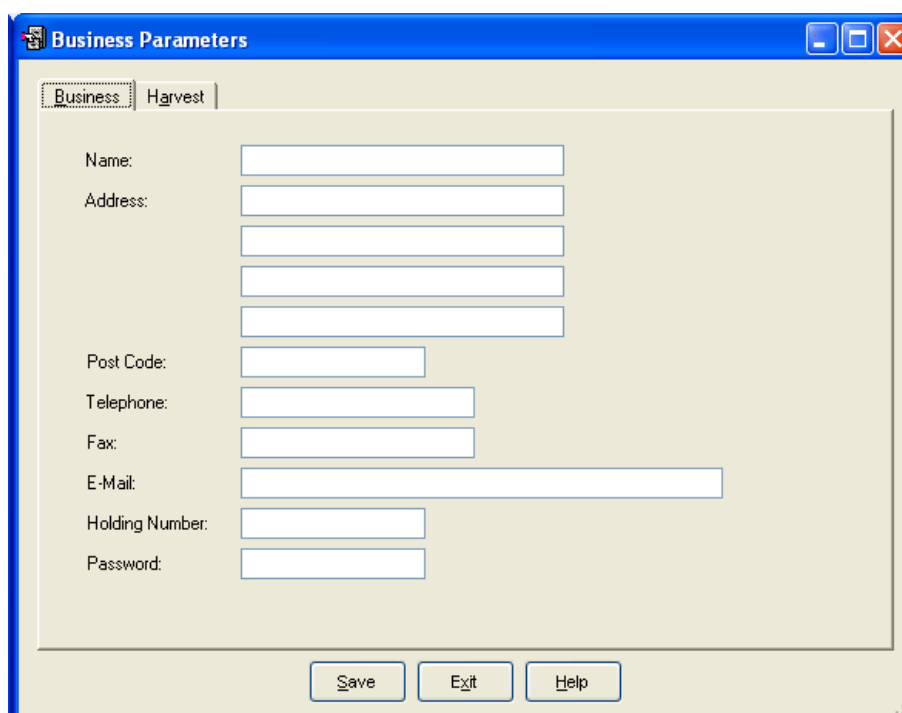
Click next proceed.

You will be asked if you wish to install sample files. This is example data which can be installed for demonstration purposes. It will give you an idea of how the system operates without having to enter any data of your own. This data can be removed at a later date if you wish. You should take care to create a new business for your own data, rather than add yours to the sample files.



If you install sample data you will then go into the program. If you don't you will go into the routine to set up a business.

The first time you go into the program the following screen will appear.



**Name, Address, Telephone and Fax Number and Email** should be filled in as required.

**Holding No.** should be that of the main holding as stated on the IACS return. Other code numbers for land parcels within the business can be identified in **Holdings** as described later.

Leave **Password** blank if one is not required.

### **In the Harvest Tab**

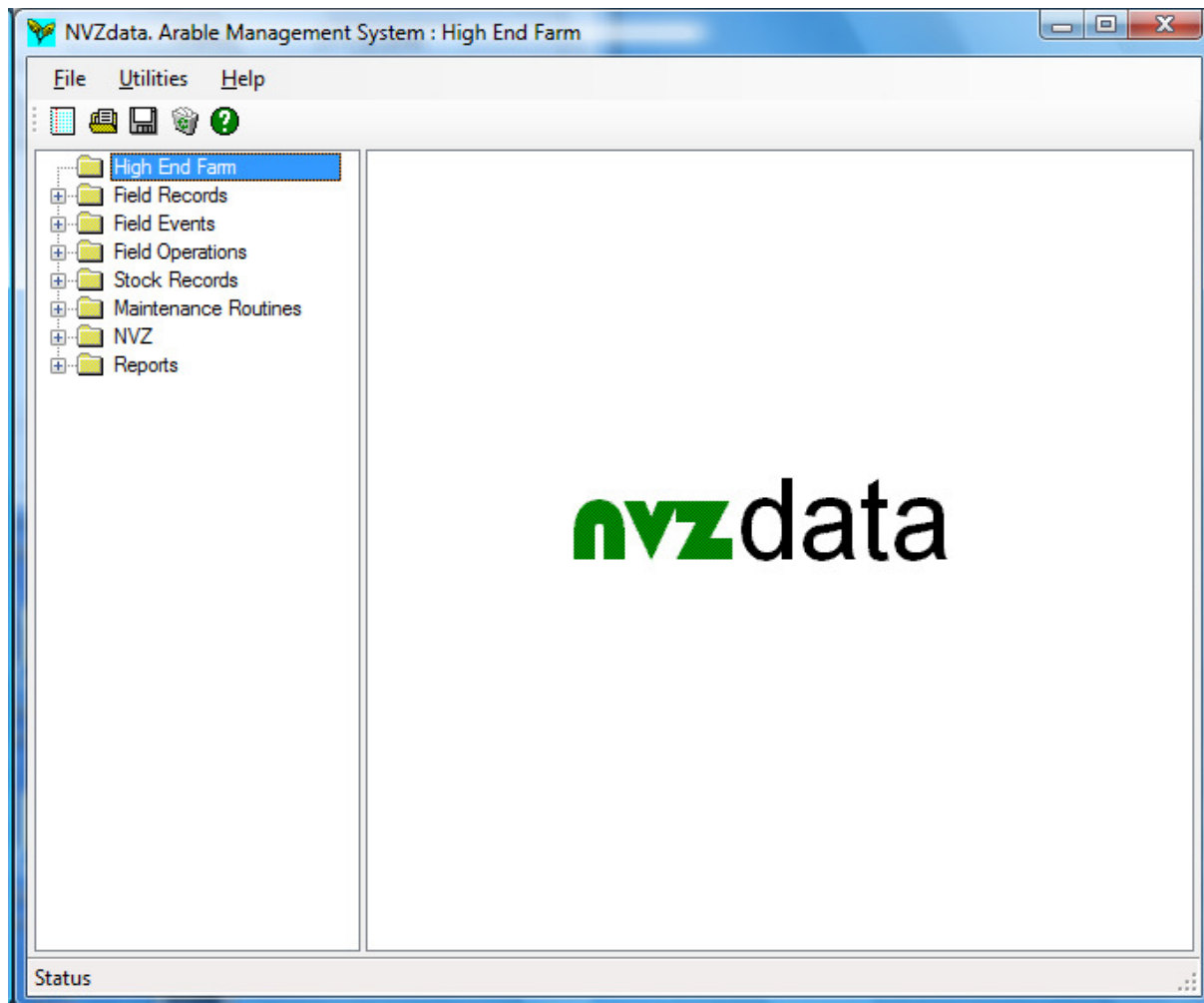
**Units** can either be **Hectares** or **Acres** depending on whether metric or imperial measures are to be used. This applies to all areas, sprays, seeds and fertilisers. Once the system is started it is not advisable to change this setting.

**Harvest Year** should be set initially to the IACS year you are going to enter details of once set up. This year will change as you move from one year to next.

**Enable Stock Control**, if available, when selected will record all the detail of purchase and application of each seed, spray and fertiliser. If not selected only the stock on hand of each item is recorded.

Click **Save** to exit the screen.

The machine will then spend a short time creating the database for this business. You will then be presented with the normal main window as shown below.



**Use the manual for further explanation when required.**

## Setting up the System Structure.

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### Maintenance routines

**Business Parameters** are set on creation of the business but can be amended as required.

### Code Lists

In each of the following sections new items can be added as you require although some may have preset entries as a start. The routines to add, edit and delete entries are the same in all the sections. **The lists can also be updated as entries are made using the Add Button at the end of the drop down list.**

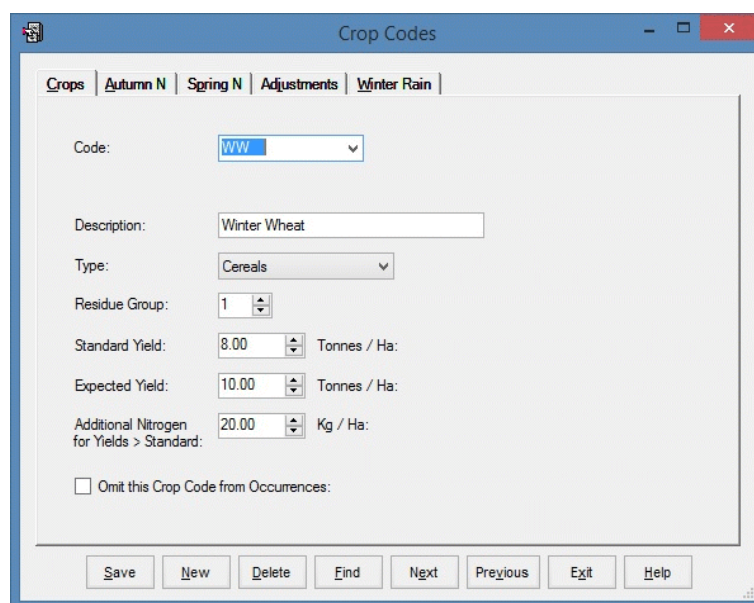
**Help** will bring up a screen of information which should give some detail of what is required at any point.

**To add a code** - Click **New** on the bottom button bar. A blank form will be presented. Fill in the new code, description and any other detail required. When you are happy click **Save**. To add another click **New** again and repeat the procedure.

Any code can be **edited** by selecting it, changing it, and clicking **Save**. This change will then apply to everywhere the code has been used in all the records past and current.

**Delete** will remove any code that is selected at the time. Care should be taken as deleting a code may leave a blank in the history if it has been used somewhere.

### Crops.



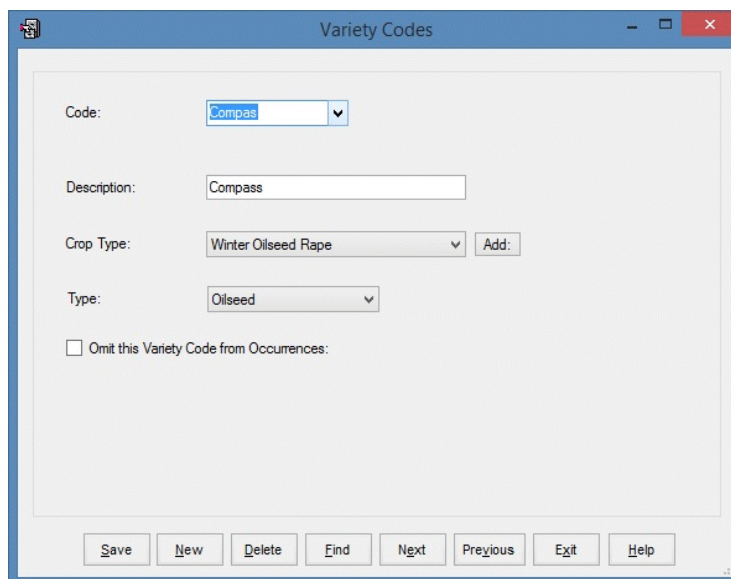
The screenshot shows a software window titled "Crop Codes" with a tabbed interface. The "Crops" tab is selected. The form contains the following fields and values:

- Code: WW (dropdown menu)
- Description: Winter Wheat (text box)
- Type: Cereals (dropdown menu)
- Residue Group: 1 (spin box)
- Standard Yield: 8.00 Tonnes / Ha (spin box)
- Expected Yield: 10.00 Tonnes / Ha (spin box)
- Additional Nitrogen for Yields > Standard: 20.00 Kg / Ha (spin box)
- ☐ Omit this Crop Code from Occurrences

At the bottom of the window is a button bar with the following buttons: Save, New, Delete, Find, Next, Previous, Exit, and Help.

This is the list of crops grown by your business. A preset list of crops is already entered based on details in the IACS Explanatory Leaflet. Yield, adjustments and N values may be amended as required. Should you need to create others, Click **New** and fill in a code, description and appropriate crop class, then Click **Save**.

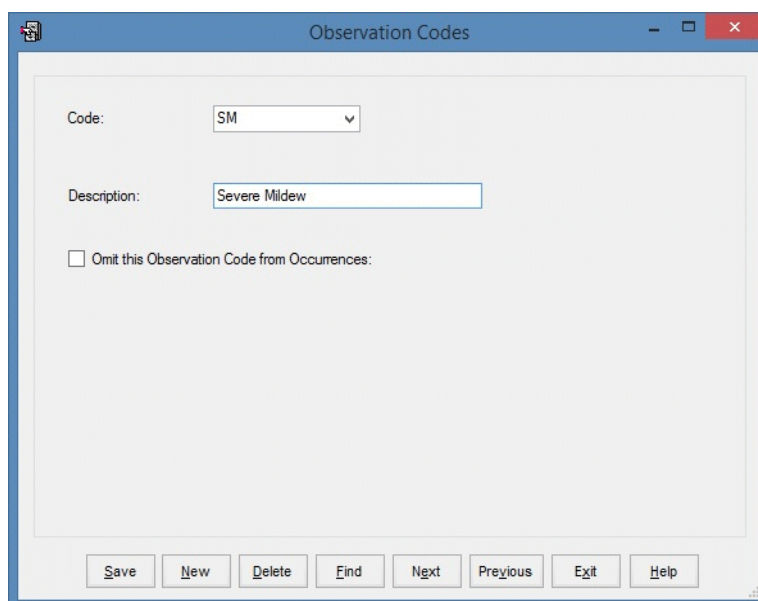
## Varieties.



This lists the varieties grown by your business. A list is already entered based on recommended cereal and oilseed list. You should ensure all varieties of all crops are on the system. If you intend to put previous crop histories on, don't forget the varieties no longer grown.

To add a new variety, Click **New** and fill in the new code, description, select the crop type and the appropriate crop class should enter automatically, then Click **Save**. Repeat until you have all your varieties entered.

## Observation Codes

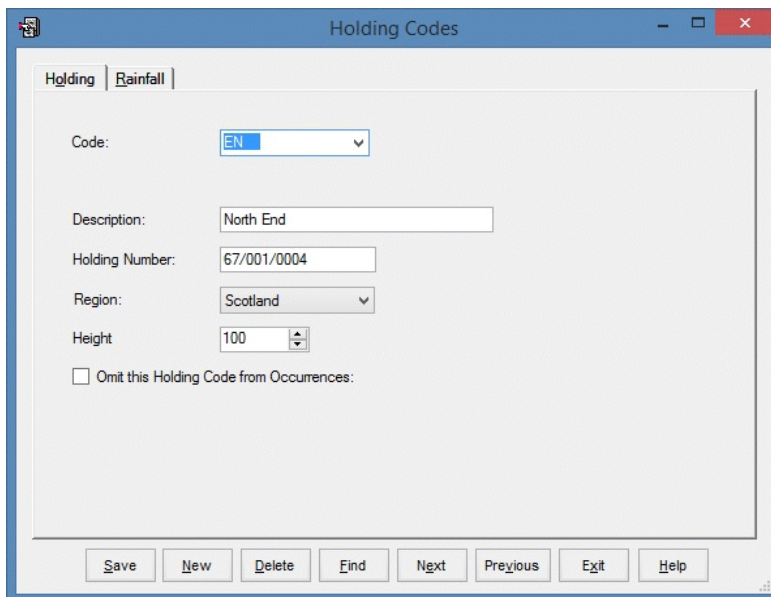


These are not essential to starting the system but will need to be set up at some point if you wish to use them. They are used to identify occurrences which have no cost related to them. They form a “diary” of observations on a particular field. Disease levels, crop growth stages and any other comment can have a code created and marked against any field at any time.

They can also be used as a basis for retrieving information and costings, for example fungicide costs on fields with a particular disease level.



## Holdings



The screenshot shows a software window titled "Holding Codes". It has two tabs: "Holding" and "Rainfall", with "Holding" currently selected. The window contains several input fields: "Code:" with a dropdown menu showing "EN"; "Description:" with a text box containing "North End"; "Holding Number:" with a text box containing "67/001/0004"; "Region:" with a dropdown menu showing "Scotland"; and "Height" with a spinner box set to "100". Below these fields is a checkbox labeled "Omit this Holding Code from Occurrences:". At the bottom of the window is a row of buttons: "Save", "New", "Delete", "Find", "Next", "Previous", "Exit", and "Help".

These are the separate land parcels within the business. If a business is made up of separate holdings and wishes to report on them individually they should be created here. Height and Rainfall values can be set for each holding. Each field or sub-field can be allocated to a holding.

## Units

These are the units in which operations are applied to fields, for example fertilisers are applied in Kilogrammes. There is a preset list on installation but you may require to add some of your own.

## Operation Categories and Codes.

Categories are the main classes of operation used in the system for costing purposes. These should be simple and broad. Typically, Fertiliser, Seed, Sprays, Tasks (ploughing, drilling, etc.) and Yield (sales or outputs).

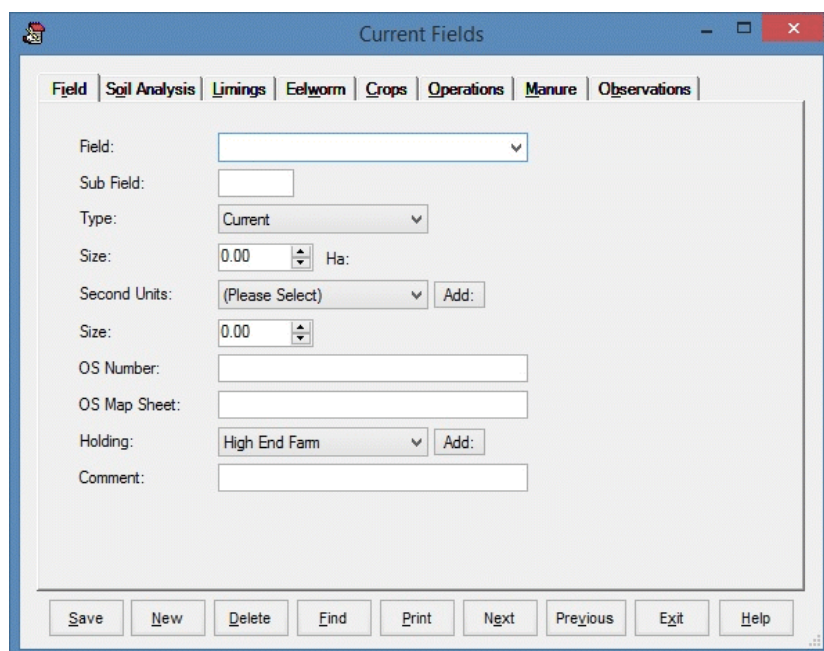
Codes can be used to subdivide the categories. For example within Sprays you may wish to split Herbicides, Fungicides, Growth Regulators and so on.

When a stock record is created it must be allocated to a category and may be allocated to a code.

## New Fields

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The details of your individual fields are entered in the Field Records section. Click **New** to enter the first field.



The screenshot shows a software window titled "Current Fields". It has a menu bar with the following options: Field, Soil Analysis, Limings, Eelworm, Crops, Operations, Manure, and Observations. The "Field" menu is currently selected. The main area contains a form with the following fields:

- Field: A dropdown menu.
- Sub Field: A text input field.
- Type: A dropdown menu with "Current" selected.
- Size: A numeric input field with "0.00" and a spinner.
- Ha: A text input field.
- Second Units: A dropdown menu with "(Please Select)" and an "Add:" button.
- Size: A numeric input field with "0.00" and a spinner.
- OS Number: A text input field.
- OS Map Sheet: A text input field.
- Holding: A dropdown menu with "High End Farm" and an "Add:" button.
- Comment: A text input field.

At the bottom of the window is a toolbar with the following buttons: Save, New, Delete, Find, Print, Next, Previous, Exit, and Help.

**Field -** This is the name or number of the field. This has to be unique within the business.

**Type -** This is Current or Non-Current. Non Current fields can be entered, these are fields which are no longer cropped but you wish to retain the record. They may have been sold, amalgamated, etc. Only Current fields show in the everyday lists.

**Size -** This is the nominal OS size of the field.

**Second units & Sizes -** Only applies where Areas are defined in the Maintenance Routines. These are the units and number of them in this field.

**OS Number -** The OS Number applied to this field.

**OS Map Sheet -** This used to be the sheet number of the map for this field. It is now incorporated in the OS number but may need to be retained for some purposes.

**Holding -** The holding within this business for this field.


**Comment -** Free text to use as you wish.

Once this detail has been entered click **Save**.



You can then access the Tabs along the top. This allows you to enter Soil Tests, Limings, Eelworm Tests and Previous Cropping History for this individual field. These details can be updated in field events.

After creating the first field, each time you click new you have to select if it is a new Field or Sub-Field. Selecting field gives a blank sheet for a new field.



## **New Sub Field**

Select New in the field record section. Select Sub Field in the above box and then select the field you wish to split from the list of fields.



Click OK and you will go to the field record

You can then enter an Identifier for the Sub Field. This is usually two or three digits including a year identifier. E9 and W9 could be the east and west split of a field in 1999 for example.

The area of this particular sub field can also be entered. The combined area of sub fields in any one year should not add to more than the area of the field as a whole.

## Entering Crops in Fields

This section is used, generally once each year, to allocate crops to fields. It is found in Field Events, Crops.

**Allocation of Crops**

**Details**

Date: 19/03/2016 Year: 2016  
Crop: Spring Barley Add: Type: Cereals  
Variety: Optic Add:  
Comment:

**Fields**

☐ By Holding: High End Farm ☐ Omit Allocated: Selected: 4 Available: 31 Total: 35

Field Name	SF	Area	Last Cropped
01		11.44	2015
02		10.86	2015
03		7.89	2015
04		13.88	2015
05		10.71	2015
06		14.96	2015
07		1.49	2015
08		11.20	2015
09		.89	2015
10		2.99	2015
11		10.77	2015
12		7.80	2015

Save Select Find Print Refresh Exit Help

**Date -** Enter a date on which the work started for this particular crop. It is only a guide.

**Year -** The IACS Year that this crop falls into, generally also the year in which it is to be harvested.

**Crop -** The crop you are allocating to fields.

**Type -** The Class this crop is to be allocated to.

**Variety -** The variety of the crop.

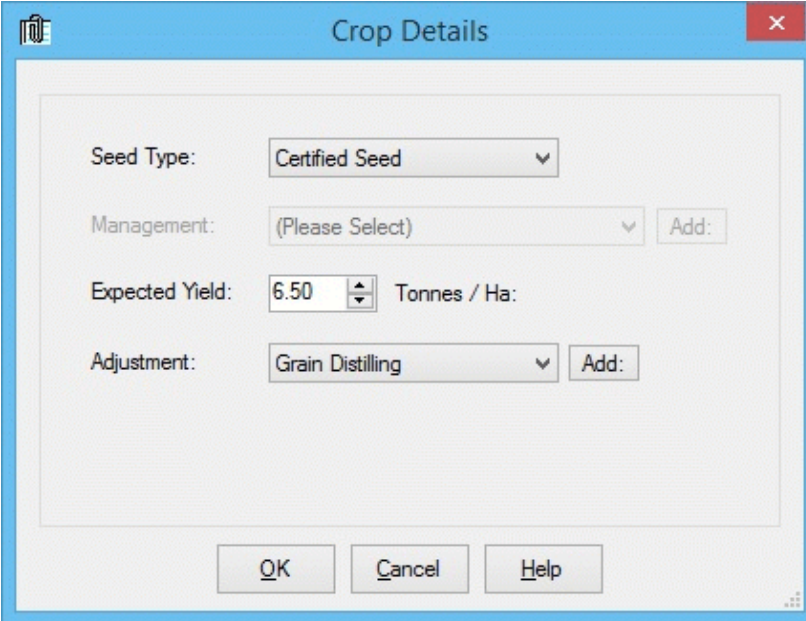
**Comment -** Free text for any comment you wish.

**By Holding** Selecting by holding will show all fields within a selected holding. Only fields flagged as Current in the record will appear.

Highlight the fields with this crop and variety by clicking on them, then click save.

The following detail screen will appear.

## Detail -



**Crop Details**

Seed Type:

Management:

Expected Yield:  Tonnes / Ha:

Adjustment:

**Seed Type -** Identifies the seed type.

**Management -** The Management regime for the is crop, applies to Grassland.

**Expected Yield -** Adjusts from the standard yield for this crop.

**Adjustment -** Adjustment which are required for intended end market.

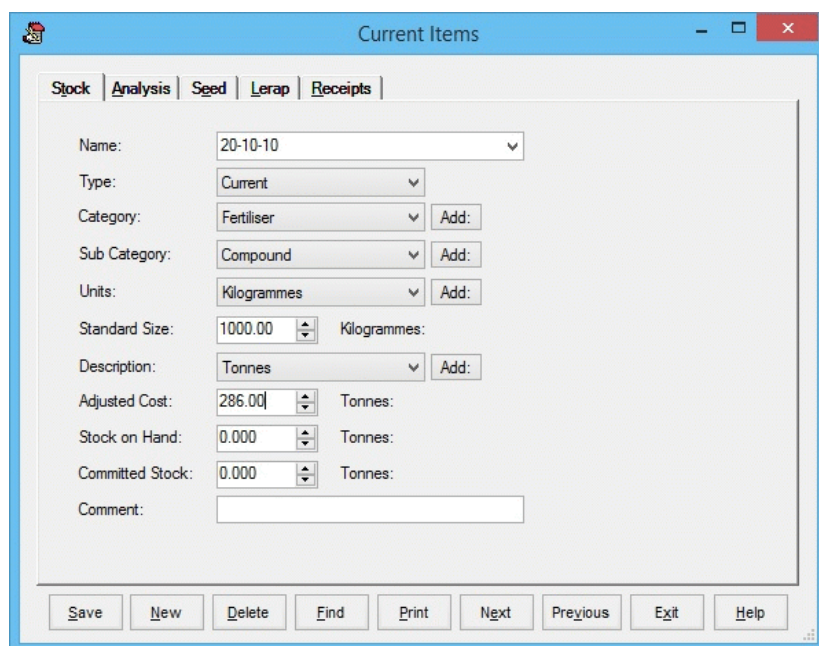
Click OK when completed. The selected fields will then disappear from the list. Repeat for each crop and variety in the new cropping year. You should end up with no fields at the end or fields which have no crops in the year.

Any cropped areas which vary from the nominal OS areas can be amended in the crop section of the field record.

## New Stock Items

Once you have created your fields and put crops in them you will need the inorganic fertiliser stock items which are applied to fields. Organic Fertiliser types are pre-entered according to SEERAD standard figures. Create these in **Stock Records**. Before starting the system it is advisable to do a physical stock check so that on hand quantities and prices can be entered. Alternatively enter all stock a zero and “purchase” the current stock holdings in stock receipts.

To enter a new stock item click **New** and fill in as below.



- Item -** the name of the record being created. This is free text and can be anything you wish. Usually the name of the spray, seed or fertiliser.
- Type -** Can be Current or Non-Current. A non-current item is one which is no longer used. The item will still remain in the historical records but will not appear on the list of usable stock when entering operations. At start up all entires will probably be current.
- Category -** Each record must be related to one of the Operation Categories as set up in the Maintenance Section.
- Sub Category -** A record may be related to one of the Operation Codes as set up in the Maintenance Section.
- Units -** This is the unit in which the item is applied to the crop. For example Kgs where Kgs/Ha is used, Litres where Litres/ Ha is used. Units available are those as set up in the Maintenance Section.
- Standard Size -** This is the number of the above units in which the item is purchased. For example fertiliser is generally purchased in 1000 Kg lots called a tonne.

The price used when entering purchases is the price of these lots. In the case of sprays it may be easier to enter the standard size as 1 where pack size may vary thus the purchase price would be so much per unit as opposed to so much per pack.

**Description -** This is the description of the pack size, ie tonne. Units available are those as set up in the Maintenance Section.

**Adjusted Cost -** This is the average cost of the stock on hand at the moment.

**Stock on Hand -** This is the stock in store at the moment.

**Committed Stock -** This is the quantity of stock which has been earmarked for use in planned activities.

**Comment -** This is free text and can be used as you wish.

Click **Save** and you will be able to access the other Tabs along the top.

**Analysis -** Allows you to enter the fertiliser analysis for fertilisers. This is vital to calculating unit usage on fields.

**You now have Fields, Crops in the fields and stock items to use on the fields. Now you can enter operations, soil analysis etc. through the standard routines.**



## Field Operations

The simplest and most commonly used method of operation entry is described below. This a One Crop Operation.

**One Crop Operations**

**Details**

Date: 19/03/2015

Category: All

Item: 20-10-10

Comment:

☐ Rate: 175.070 Kgs/Ha

☒ Quantity: 15000.00 Kgs

Add: Price: 286.00 Tonnes

Stock: 0.000 Tonnes

**Fields**

Crop: Grass under 5 years

Variety: All

Harvest Year: 2015

Selected: 11 Available: 0 Total: 11

Field Name	SF	Area	Crop
10		2.99	Grass under 5 years
15		4.81	Grass under 5 years
16		14.20	Grass under 5 years
18		6.14	Grass under 5 years
EN07	A	6.78	Grass under 5 years
EN08		10.32	Grass under 5 years
EN10		6.04	Grass under 5 years
EN11		5.91	Grass under 5 years
EN12		6.07	Grass under 5 years
EN13		6.97	Grass under 5 years
EN16		15.45	Grass under 5 years

Save Select Find Print Restore Refresh Exit Help

Enter the **Date** of the operation, select the **Category** and/or **Item** to be applied. Either the **Rate** of Application or the total **Quantity** applied can be selected and entered. **Price** is the current adjusted price of the stock on hand. **Comment** is free text to be used as you require.

The **Crop** to be worked on and the **Variety** if required should be selected. The **Year** should be set to the required harvest year.

The list of fields growing your selection in the chosen year will be displayed. Select the fields you want by clicking on them individually, or Click Select on the bottom button bar to highlight them all and deselect the one ones which are not treated by clicking on them.

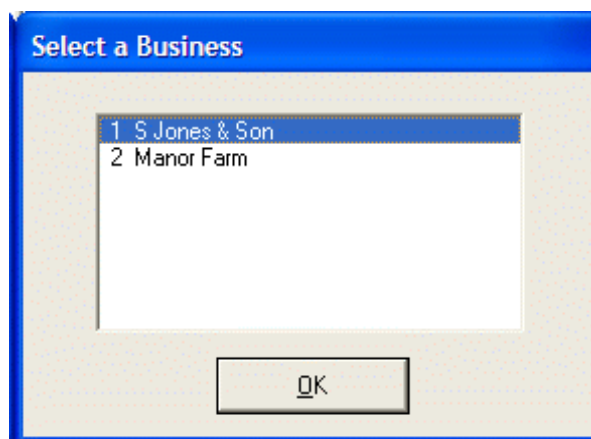
As you select the fields the rate or total will adjust according to the total area of the fields selected.

## New Businesses

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If you have separate farms which you wish to keep as individual businesses on the system you have to click on File and New Business. Alternatively click the blank page icon at the top of the screen. This will take you back to the initial start up screen. You then follow the same routine for each new business.

Next time you start the program you will be given the business option screen to pick from as shown below. If you wish to swap between businesses whilst working in the program, click File and Change Business. Alternatively click the Open folder icon at the top of the screen.



Routine occurrences can now be entered through the appropriate Occurrence Routines.

**Don't forget to do your Backups !!!**